

HWK 15 Nov 61

DECLASS REVIEW by NIMA/DOD

14 November 1961

MEMORANDUM FOR: Chief, Technical Plans and Development Staff

JWC
15 Nov 61

SUBJECT: Trip Report to [REDACTED] ATTNL
Acceptance Check on Two-Stage Rectifier #2, 23 and 24
October 1961

STATINTL

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1. Over the two-day period, Messrs. [REDACTED] inspected the equipment and performed tests designed to establish compliance with contract specifications. Messrs. [REDACTED] were in attendance at all times. Environmental conditions were so poor that no effort was made to determine more than the minimum capability of the equipment. STATINTL

2. A meeting was held after completion of the tests and a copy of the minutes are attached. Additional comments for the record follow:

STATINTL

a. One copy of final test data is attached for file. (Ozalid copies are [REDACTED] data)

STATINTL

b. One copy of a dimension drawing of the base casting in shipping position is attached for file.

STATINTL

c. [REDACTED] personnel were not prepared to begin an orderly test procedure when personnel of this office arrived. Test targets and film had to be procured and calculations had to be made for machine settings. [REDACTED] agreed to set up a standard test for future checks of this equipment.

d. Excessive vibration and low contrast film prevented a satisfactory test run on 24 October. Vibration analyzing equipment was used to locate the source of vibration and insulate the rectifier; after insulation, satisfactory resolution of 40 l/mm was read on Kodalith Type III film. The best resolution read on Dupont Cronar Masking Film was 16 l/mm at 0° tilt even though 54 l/mm could be read directly on the 1st stage easel. No effort was made to isolate the reason for the low resolution reading.

e. Considerable light reflection was noted from the second stage lens board to the first stage easel. This reflection very likely causes contrast degradation on the second stage easel, but could be alleviated by coating the second stage lens board with black non-reflecting paint.

[REDACTED] L